

Fig. 1

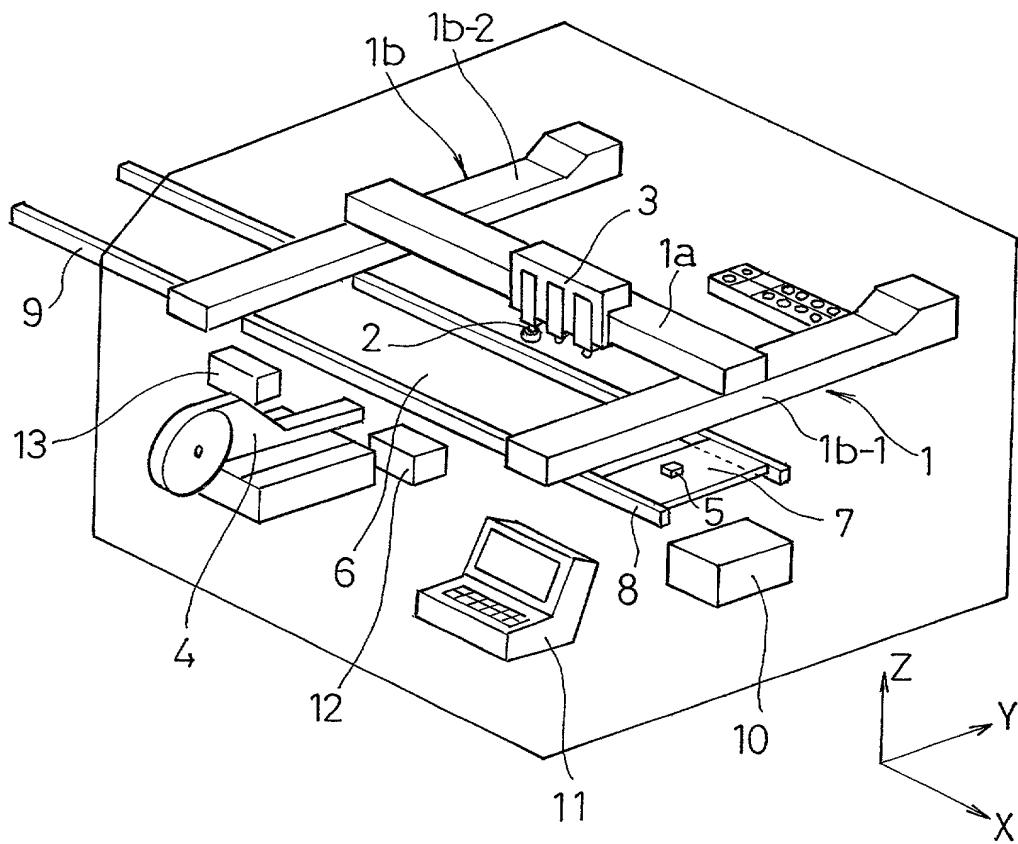


Fig. 2

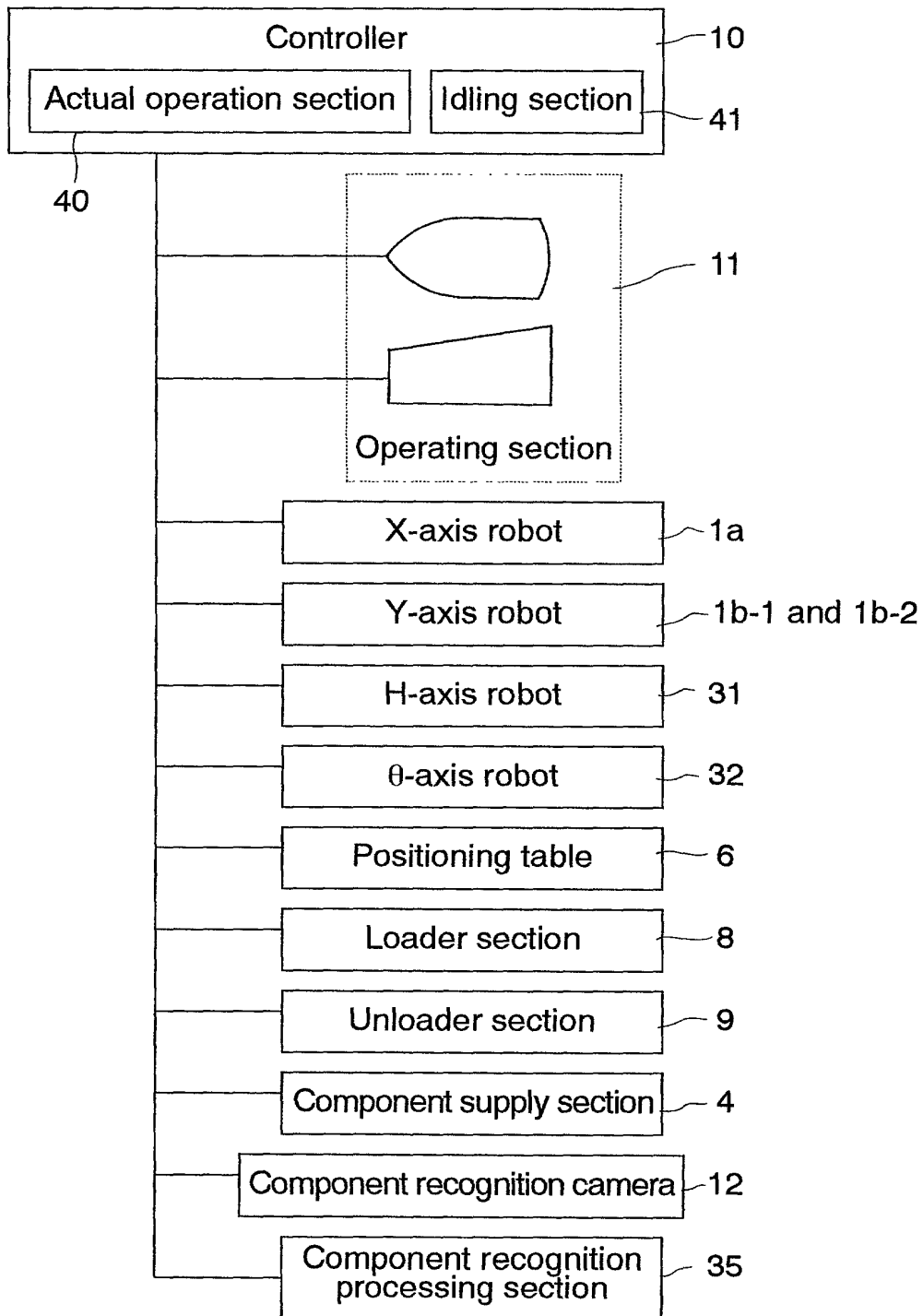


Fig. 3

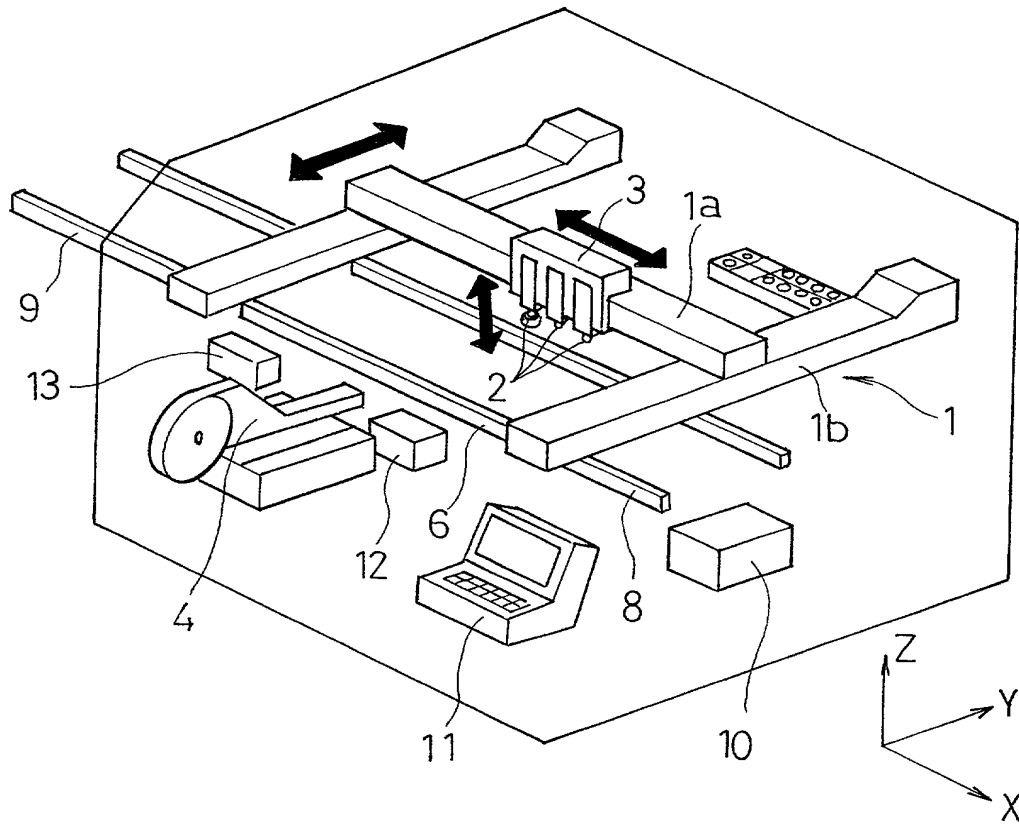


Fig. 4

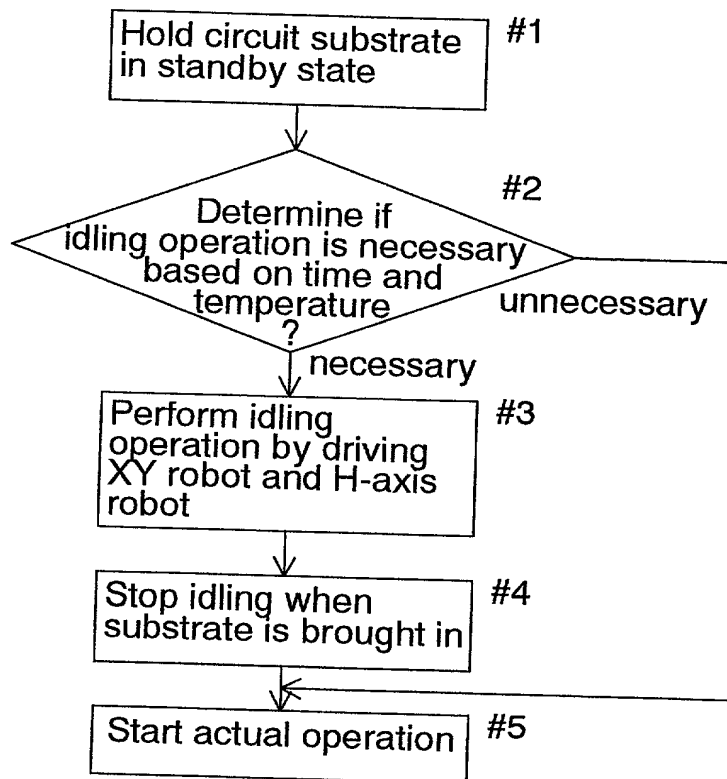


Fig. 5

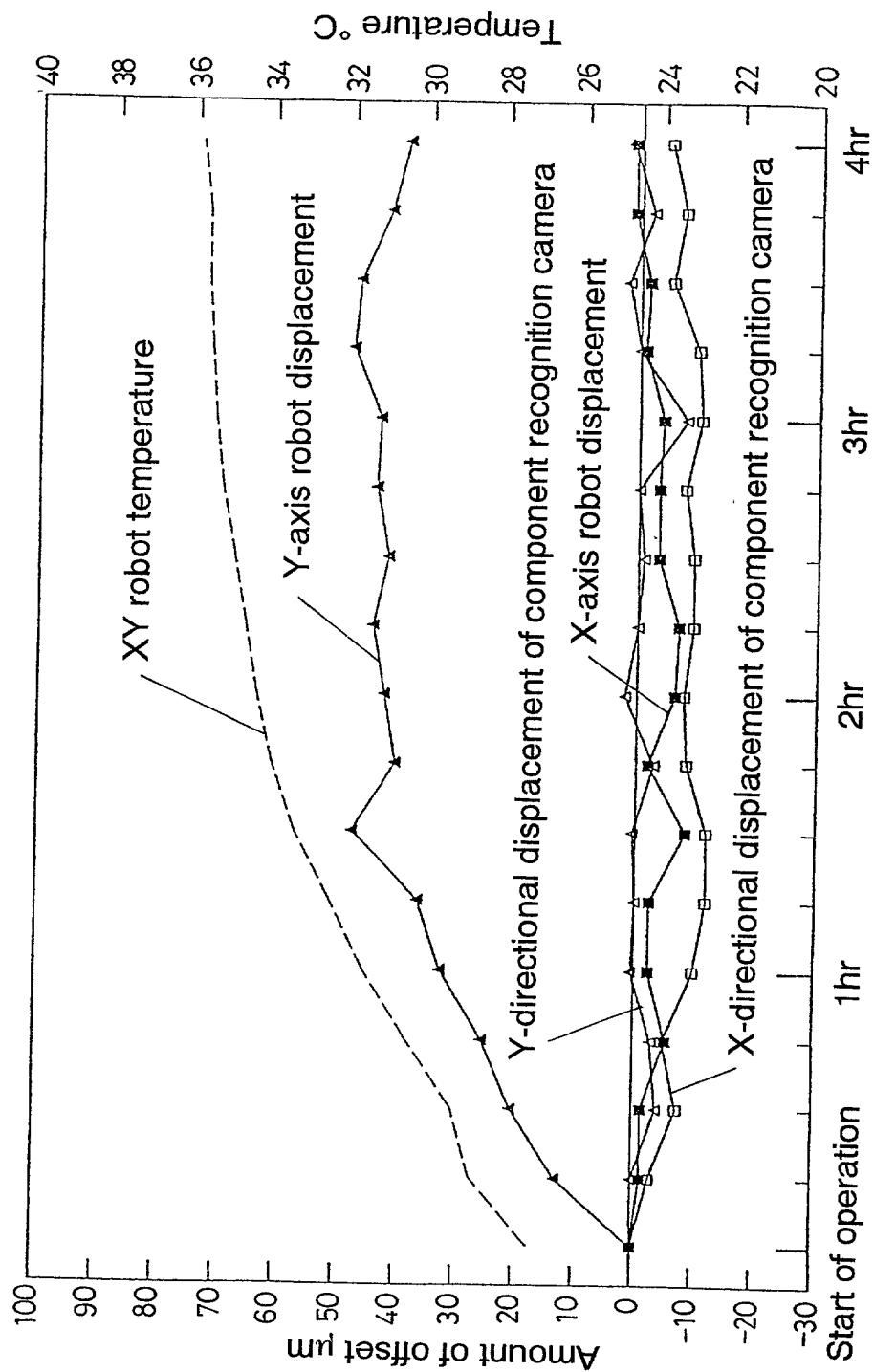


Fig . 6

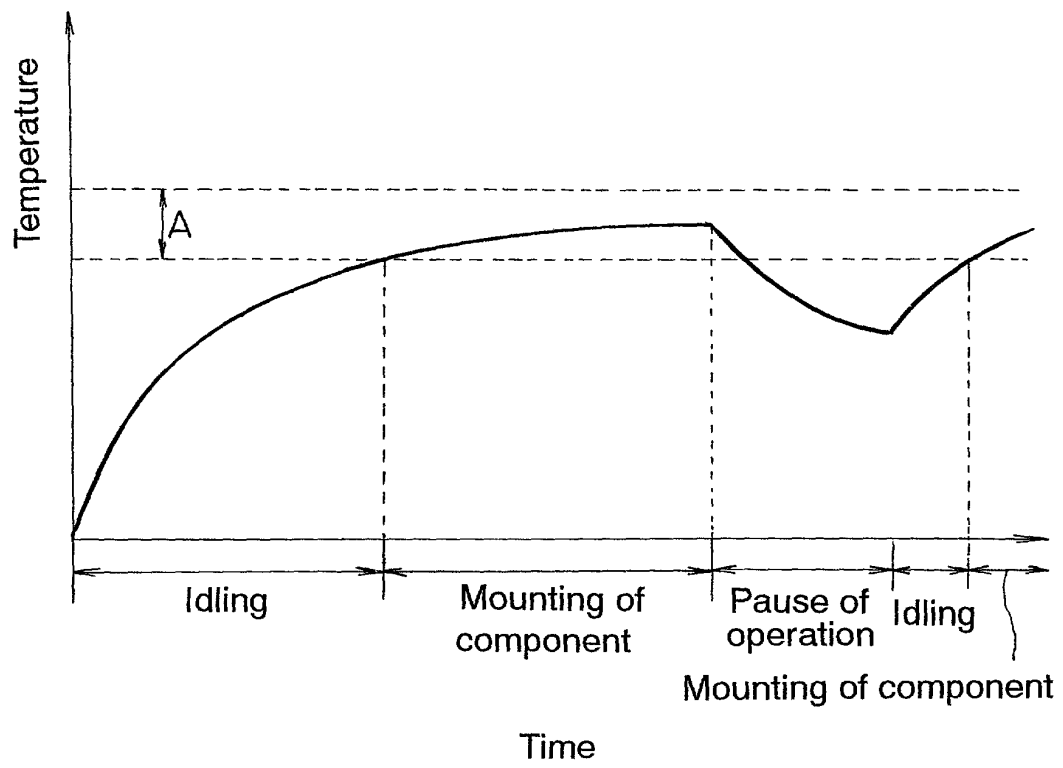
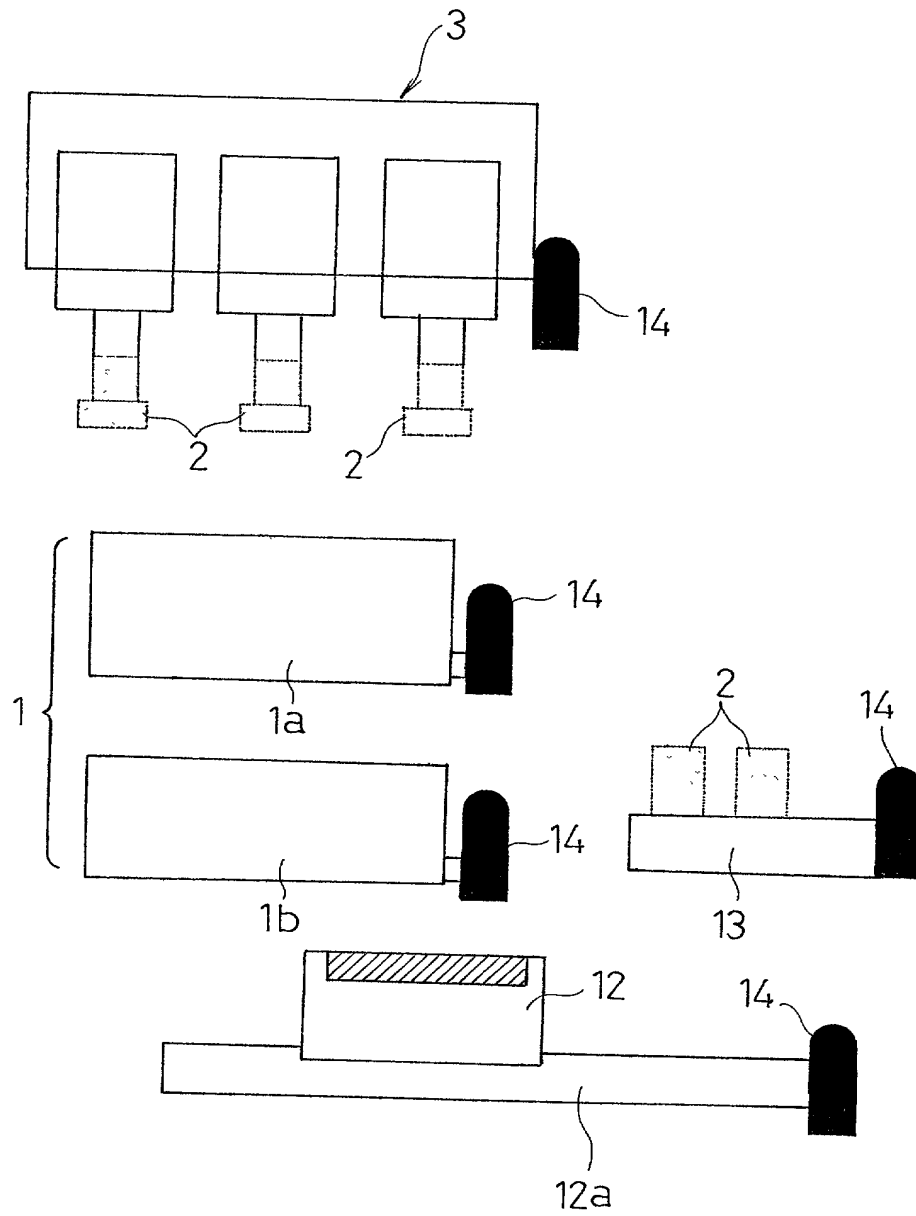


Fig. 7



F i g . 8

| | Temperature change of unit | Temperature °C |
|---|------------------------------|----------------|
| 1 | X-axis robot | 27 |
| 2 | Y-axis robot | 27 |
| 3 | Head | 25 |
| 4 | Component recognition camera | 25 |

Fig. 9A

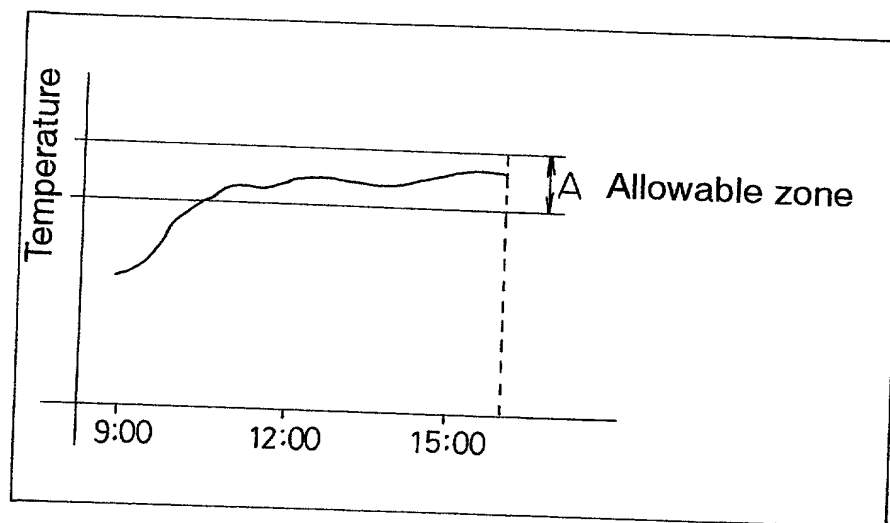


Fig. 9B

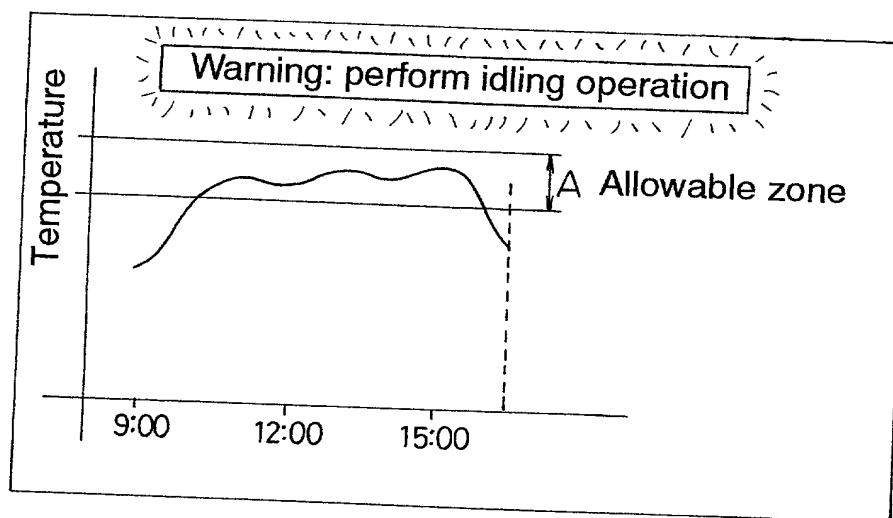


Fig. 10
Prior Art

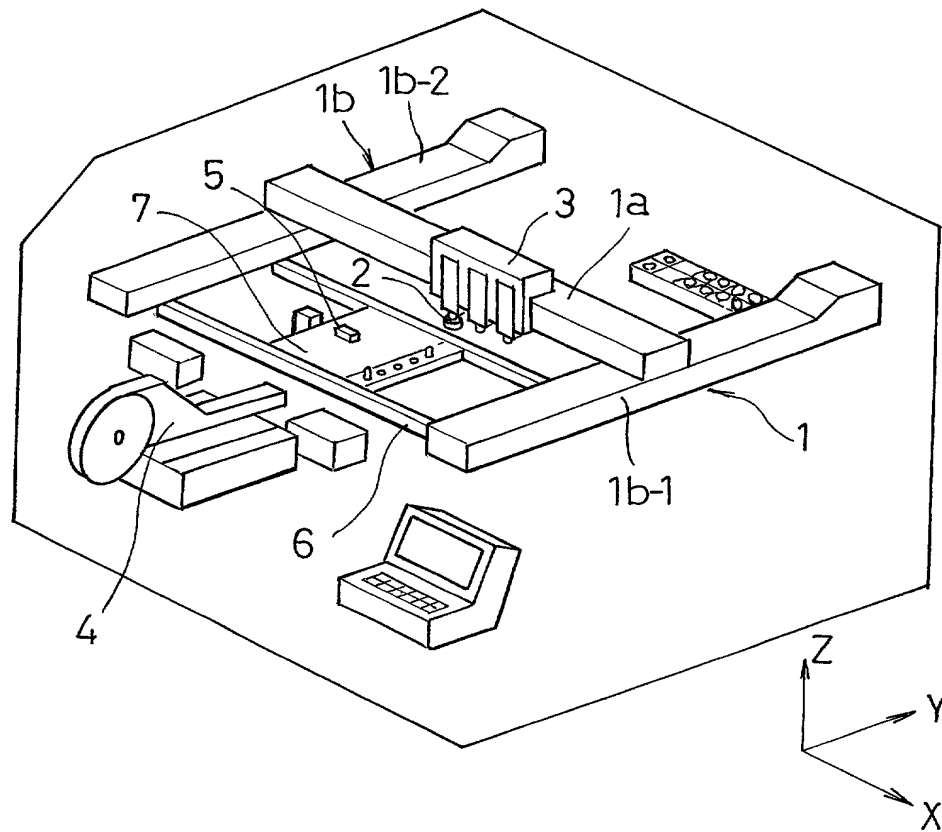


Fig. 11
Prior Art

